CLAS SCHEDULE

MONTH	ACTIVITY
1	Project Approval
	Initiate Procurement--Software and Time-Share
	Staffing, Training
2	Software Available at Terminals
5	Begin Model/Prototype
8	Assessment of Package Capabilities Complete
	Begin Modifying Procedures and Software
12	Production Model Complete
	Transition to IDMS/R Version
	User Training Begins
	Conversion Planning Begins
14	IDMS/R Version Production Model Complete
	Total System Testing Begins
16	Data Conversion Begins
18	Begin Production

MAR-MAY

JUN-AUG

SEPT-NOV

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CLAS (FORMERLY LIMS)

The Commercial Logistics Applications System (CLAS) is a transaction oriented automated system to improve response to customer requirements for logistical support. The system integrates and automates the processes associated with the life cycle of customer requests (requisition, procurement, vendor payment,distribution and delivery), and enhances management of stock inventories and depot facilities. It provides accurate, complete and timely information to aid in managing and controlling work load. Necessary financial processes are actively supported. The system supports objectives for improved financial systems described in OMB circular A-127 and enhances the Agency's ability to comply with the Prompt Payment Act of 1982.

Initial efforts on the original Logistics Integrated Management System (LIMS) were directed toward custom software development by an external contractor. Those efforts were halted in 1985 because of contractor problems and an Agency decision to change the database management system (DBMS) on which LIMS was being programmed. Because the new DBMS can support commercially available applications software the program was redirected to pursue original program objectives using packaged software. The new effort is designated CLAS.

CLAS will improve the response time on all requirements for logistics support by automating many manual procedures and providing informational support to inventory managers and procurement personnel; improve management of the flow of requirements; and provide timely financial reporting. The use of packaged software instead of custom development will sharply reduce estimated costs and development time. Packages will provide a standard against which system requirements can be evaluated and will guide managers in efforts to streamline internal regulations and procedures.

Based on functional and technical evaluations, software has been selected that addresses most of the system requirements. Questions remain regarding how the logistics software interfaces with financial systems, how the software interacts with the new DBMS and the extent to which unaddressed functional requirements can be adapted to the software. Software has been purchased and contractor support obtained to examine these questions over a six-month period. Targeted basic operating capabilities (BOC) to cover cataloging, requisitioning, contracting, procurement, receiving, distribution, vendor payment, and inventory management is October 1987.

FY 1986 costs include purchase of software ($450k), establishment of unclassified contractor support facility ($500k) to evaluate software, and $256k for training, travel, and customer support. FY 1987 costs include recurring license fees for software ($100k), modifications to software package to augment capabilities and integrate with other systems ($700k), terminals and printers to support on-line document generation ($200k), and implementation, training, and conversion costs ($206k). Out year costs include annual licensing ($100k), acquisitions of additional software packages ($200k), enhancements to packages ($250k), and terminals, printers, and graphics devices ($450k). While FY 86 and FY 87 figures reflect actual budgets, out year estimated costs for CLAS are not yet adjusted in the FY 87 Congressional Budget. Full operating capability occurs in FY 1990 after which operating costs are estimated at $550K annually.

CLAS and LIMS

BUDGET PROFILE

	86	87	88-91	Total
LIMS	2468	2472	8071	13,011
CLAS	1206	1206	3550	5,962
SAVINGS	1262	1266	4521	7,049

(LIMS actual costs, FY 82 - FY 85: $4855k)

2

CLAS

BUDGET REQUIREMENTS
(thousands of dollars)

FY 1986

Purchase Software	450
Vendor Support Package	150
Time Share Services	200
Travel/Training-Project Team	100
Software Modification	400
Total	1,300~ /006

FY 1987

Software Modification	500
Training Program-Users	200
Travel/Training-Users Team	100
Equipment-3270 Terminals	
100 @ 2000	200
100 @ 8000	800
Total	1,800~ /000

FY 1988

Maintenance/Licensing	100
Acquisition-New Packages	100
Enhancements-Software Modification	250
Equipment	100
Total	500~ /000

FY 1989

Total	550 /000

FY 1990

Total	550

LIMS and CLAS

Funding Profiles
(thousands of dollars)

	1986	1987	1988	1989	1990	1991	86/91
LIMS	2,468	2,472	2,652	2,953	2,283	503	13,331
CLAS	1,300	1,800	550	550	550	550	5,300
SAVINGS	1,168	672	2,102	2,403	1,733	(47)	8,031

88

Licensing Fees	$141	
New software modules	200	(fixed asset, project management)
Maintain/enhance software	250	
Integrate to other applications	500	
Standard terminals & printers	450	
Laser forms printer	250	CD
Bar code	750	CD
	$2550	

89

License fee	$150	
New software	200	Utilities mgt, manufacturing support
Maintain/enhance	250	
Integrate	400	
Standard printers & terminals	450	
Field station electronic requisition	1100	Design (200) develop (600 hardware (30(
Laser forms printer	250	MWD
	$2830	

90

Fee	$175	
New software	200	
Maintain/enhance	300	
Integrate	300	
Bar code	500	MWD
Reliability/availability enhancement	675	(Remote batch processing capability, local area networks $450k, terminal modifications $200k.)

91

Operations & Maintenance

Licensing	$150
New software	200
Enhance/maintain	200
	$550k

	88	89	90	91		
CLAS	2541	2830	2150	550	8071	
LIMS	2572	2838	2198	487	8095	(8071)

WHERE WE ARE GOING

(TENTATIVE, AND ASSUMING EVALUATIONS ARE POSITIVE)

Phase I   --   Feb - Jun 86

° Evaluations
° Reassess Schedule

Phase II   --   Aug - Feb 87

° Use flexible approach to adapt requirements to fit package capabilities

° Identify firm requirements requiring augmentation of package

° Identify firm requirements requiring modification of package

° Augment and modify packages using staff and contractor support

° Complete production model

Phase III -- Mar - Sep 87

° Identify interface requirements to financial systems

° Develop interfaces

° Test and tune production model

° Parallel operations

° Conversion planning

° Training

Oct 87

PRODUCTION

10

C L A S

BUDGET REQUIREMENTS
(thousands of dollars)

FY 1986

Purchase Software	400
Vendor Support Package	100
Time Share Services	468
Travel/Training-Project Team	100
Total	1068

FY 1987

Maintenance/Licensing	100
Software Modification	606
Training Program-Users	200
Travel/Training-Users Team	100
Equipment-3270 Terminals	200
Total	1206

FY 1988

Maintenance/Licensing	100
Acquisition-New Packages	200
Enhancements-Software Modification	250
Equipment	450
Total	1000

FY 1989

O&M plus Equipment	1000

FY 1990

O&M plus Equipment	1000

FY 1991

O&M	550

C L A S   vs   LIMS

PROGRAM BUDGET

	86	87	88	89	90	91	Total
LIMS	2468	2472	2652	2953	2283	503	13,331*
CLAS	1068	1206	1000	900	900	550	5,624
SAVINGS	1400	1266	1652	2053	1383	(47)	7,707

* LIMS Budget FY 82 - FY 85 Totaled $5846

  LIMS Budget FY 82 - FY 91 Totaled $19,177

12

SYSTEM INTERFACES AUTO/MANUAL
12 March 1986

Supply Division SMB

Customer

88/1245 — 88/1245 — 2420 — Contracting Team

2420

A

SMB

88/1245 Requiring Buys

Copy of Contract Document
88/12 45

Data Control Branch

SD Receiving Point

Negotiation Contract Life Cycle Data

CONIF Team

Security Requirements

Line Detail (Ordered) & Receipts

Line Detail Payment Data

ICS

CONIF

Matching for Payment

ASPS

FAR

Commitments

Decommitments Obligations Expenditures

Project Data

Encumbrance/Issues for PRA, obligations for CPS, ID, SPS

Commitments/CONIF related Actions

GAS

Commitment

B&F

Budget Data

FRS

B&F Certifies Funds Available Commits Funds (2420) Budget Data

A

606 Posting Voucher

Remittance Advice

Voucher and Schedule of Payments

A&CD

OF/A&CD Process Invoices

CSAD

OF/CSAD Performs Final Aud

OF/A&CD Certifies Documents

ETF

NO

OF Monetary Processes Check, Mails to Vendor

Tape Treasury

ETF to Vendors Bank Ac